



6 W126S Marine Generator Set

Model	Injection	Speed control	Cylinder configuration	Bore/stroke (mm)	Displacement (l)
6 W126S	Mechanical	Electronic	6 in line	126X155	11.56



Customer benefits

Continuous compact power with reference performances in its category

Global environment care with low exhaust emissions and controlled fuel consumption at any running cycle

Simple technology with mechanical injection

Life cycle cost efficiency with extended mean time between overhauls (MBTO)

Rating table

Rating	Frequency	RPM	kWm	kWe	kVA
PRP	50 Hz	1500	223	208	260
PRP	50 Hz	1500	257	240	300
PRP	50 Hz	1500	281	264	330
PRP	50 Hz	1500	291	272	340
PRP	60 Hz	1800	257	240	300
PRP	60 Hz	1800	298	280	350

Prime running power (PRP)

- Variable load with mean power calculated on 250 running hours
- No restriction on use if mean power $\leq 75\%$ of nominal power
- Total operating time at 100% nominal power shall not exceed 500 hours per year
- 10% overload available 1 hour each 12 hours

Power definition

Standard ISO 3046/1 - 1995 (F)

Reference conditions

Ambient temperature	25 °C / 77 °F
Barometric pressure	100 kPa
Relative humidity	30%
Raw water temperature	25 °C / 77 °F

Fuel oil

Relative density	0,840 $\pm$ 0,005
Lower calorific power	42 700 kJ/kg
Consumption tolerances	$\pm 5\%$
Air inlet limit temperature	35 °C / 95 °F

Emissions

IMO Tier II - CCNR2 - CE97/68 IIIA

Standard equipment

Engine and block

Cast iron cylinder block, with replaceable cylinder liners
 Separate cast iron cylinder heads
 Replaceable valves guides and seats
 Steel forged crankshaft with 7 bearings
 Light alloy piston with 3 high performance piston rings

Cooling system

Fresh / raw water heat exchanger with integrated thermostatic valves and expansion tank
 Cast iron centrifugal fresh water pump, mechanically driven
 Bronze self-priming raw water pump, mechanically driven

Lubrication system

Full flow screwable oil filters
 Fresh water cooled lube oil cooler

Fuel System

In line injection pump with flanged electronic speed governor
 Double wall injection bundle
 Duplex fuel filters
 Water separator

Intake air and exhaust system

Insulated exhaust gas manifold
 Turbo blower with insulated turbine housing

Electrical system

Voltage 24Vdc
 Electrical starter on flywheel crown
 55A battery charger

Generator

- 50/60Hz Frequency, 4 Pole
- Insulation / Heating Class H/H
- Electronic voltage regulation
- Brushless excitation
- IP23 Protection, Marine impregnation
- Single bearing

Specific fuel consumption

PRP					75% PRP			50% PRP		
Frequency	kWe	kWm	g/kWh	l/h	kWm	g/kWh	l/h	kWm	g/kWh	l/h
50 Hz	208	223	193	51	168	196	39	111	212	28
50 Hz	240	257	192	58	193	195	44	128	205	31
50 Hz	264	281	191	63	211	202	50	140	202	33
50 Hz	272	291	190	65	219	203	52	145	200	34
60 Hz	240	257	199	60	193	203	46	128	224	24
60 Hz	280	298	199	70	224	200	53	149	214	37

Dimensions and dry weight (mm / kg)

	A	B	C	Weight
260 kVA @ 50Hz 205 to 300kVA@ 60 Hz	2512	1156	1390	2268
300 to 340 kVA @ 50Hz 350 kVA@ 60 Hz	2607	1156	1390	2402

